

Table 1: Significance table.

|                       | SLe                  | SLmu                   | SLtau                  |
|-----------------------|----------------------|------------------------|------------------------|
| $\text{QCD}_{Pt15}$   | 0 +- 0               | 0 +- 0                 | 0 +- 0                 |
| $\text{QCD}_{Pt30}$   | 2710 +- 1024         | 0 +- 0                 | 0 +- 0                 |
| $\text{QCD}_{Pt80}$   | 1873 +- 134.9        | 0 +- 0                 | 58.24 +- 23.78         |
| $\text{QCD}_{Pt170}$  | 1093 +- 17.27        | 0 +- 0                 | 20.2 +- 2.348          |
| $\text{QCD}_{Pt300}$  | 341.6 +- 2.104       | 0.2979 +- 0.06212      | 3.834 +- 0.2229        |
| $\text{QCD}_{Pt470}$  | 72.68 +- 0.3163      | 0.0812 +- 0.01057      | 0.6056 +- 0.02887      |
| $\text{QCD}_{Pt800}$  | 4.672 +- 0.01259     | 0.00346 +- 0.0003426   | 0.03904 +- 0.001151    |
| $\text{QCD}_{Pt1400}$ | 0.04713 +- 0.0001229 | 1.474e-05 +- 2.174e-06 | 0.0004648 +- 1.221e-05 |
| $\text{TTbar}_{temp}$ | 166.5 +- 0.7994      | 0.003839 +- 0.003839   | 19.71 +- 0.2751        |
| $\text{WJets}_{temp}$ | 400.9 +- 5.708       | 0 +- 0                 | 68.99 +- 2.368         |
| $\text{ZJets}_{temp}$ | 8.687 +- 0.8066      | 0 +- 0                 | 3.894 +- 0.54          |
| $\text{ww}_{pat_1}$   | 5.172 +- 0.1997      | 0 +- 0                 | 1.133 +- 0.09345       |
| $\text{wz}_{pat_1}$   | 2.04 +- 0.07836      | 0 +- 0                 | 0.2769 +- 0.02886      |
| $\text{zz}_{pat_1}$   | 0.9484 +- 0.03085    | 0 +- 0                 | 0.08229 +- 0.009087    |
| $\text{LM2}_{temp}$   | 4.623 +- 0.02227     | 0.0006435 +- 0.0002627 | 0.8559 +- 0.009582     |
| Significancy          | 0.05657              | 0.001035               | 0.06433                |
| QCD Significancy      | 0.05922              | 0.00104                | 0.09399                |